

IE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

VELLIYUR NOTT MALLIKARJUNA RAO ET. AL.

CASE NO.:

JUN 2 7 2005

CL2100USPCT

APPLICATION NO.: 10/523226

CONFIRMATION NO.: UNKNOWN

GROUP ART UNIT: UNKNOWN

EXAMINER: UNKNOWN

FILED: January 31, 2005

FOR: NICKEL - SUBSTITUTED AND MIXED NICKEL - AND COBALT -SUBSTITUTED CHROMIUM OXIDE COMPOSITIONS, THEIR

PREPARATION, AND THEIR USE AS CATALYSTS AND CATALYST

PRECURSORS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office the information listed on the enclosed PTO/SB/08A and/or PTO/SB/08B forms. A copy of the information, if required, is also enclosed. Applicants note however that U.S. Application No. 10/523,227 represents a national filing of WO 2004/018396, U.S. Application No. 10/523,223 represents a national filing of WO 2004/018397 and U.S. Application No. 10/523,228 represents a national filing of WO 2004/018093; and no additional copies of those specifications are enclosed. Additional copies will be provided at the request of the Examiner. A copy of the PCT International Search Report is also enclosed. Consideration of the information is requested under 37 C.F.R. § 1.56 and this information is submitted in accord with the provisions of §1.97(b): within three months of filing the national application under 37 C.F.R. §1.53(d), or entry into the national stage under 37 C.F.R. §1.491, or before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action on the merits after filing a Request for Continued Examination under 37 C.F.R. §1.114.

If this Information Disclosure Statement is filed under §1.97(b) but the mailing date hereof is after the mailing of a first Office Action on the merits, the PTO is authorized to charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company) in order to complete the requirements for consideration of this Information Disclosure Statement.

Respectfully submitted,

DAVID E. HEISER

Attorney for Applicants Registration No.: 31,366 Telephone: (302) 892-1926

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Dated: _ C/22/05

PTO/SB/08A (08-03)
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| | Complete if Known | |
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| Application Number | 10/523226 | |
| Filing Date | January 31, 2005 | |
| First Named Inventor | VELLIYUR NOTT MALLIKARJUNA RAO | |
| Group Art Unit | UNKNOWN | |
| Examiner Name | UNKNOWN | |
| Attorney Docket Number | CL2100USPCT | |

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(use as many sheets as necessary) Attorney Docket Number of 3 Sheet 2 OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of T 2 the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Cite number(s), publisher, city and/or country where published. Examiner No. Initials * S. MUSIC ET. AL., FORMATION AND CHARACTERIZATION OF THE SOLID SOLUTIONS, J. MATERIALS SCIENCE, 1996, PAGES 4067-4076, VOL. 31 BHATTACHARYA ET. AL., AN X-RAY DIFFRACTION AND MOSSBAUER STUDY OF NANO-CRYSTALLINE FE203-CR2O3 SOILD SOLUTIONS, J. MATERIALS SCIENCE, 1997, PAGES 560-577, VOL. 32 CHAMBERLAND ET. AL., PREPARATION AND PROPERTIES OF NICRO, J. OF APPLIED PHYSICS, 1969, PAGES 434-435, VOL. 40 MULLER ET. AL., X-RAY DIFFRACTION STUDY OF THE CHROMATES OF NICKEL, MAGNESIUM AND CADMIUM, ZEITSCHRIFT FUR KRISTALLGRAPHIE, 1969, PAGES 112-120, BD. 130, S. PRINCE E., STRUCTURE OF NICKEL CHROMITE, J. OF APPLIED PHYSICS, 1961, PAGES 68S-69S, VOL. 32 NOWOTNY ET. AL., BOUNDARY LAYER CHEMICAL DIFFUSION AND LATTICE PARAMETER OF UNDOPED AND CR-DOPED NIO., BULLETIN OF THE POLISH ACADEMY OF SCIENCES, CHEMISTRY, 1985, PAGES 111-119, VOL. 33 BRACCONI ET. AL., ETUDE DES PROPRIETES STRUCTURALES DES OXYDES SPINELLES DES SYSTEMS X CO-O ET CO-CR-OANN. CHIM. FR., 1979, PAGES 331-338, VOL. 4 HANCK ET. AL., STRUCTURAL AND THERMAL STABILITY STUDUES OF LIZN2CRO4 AND CO2CRO4, J. INORG. NUCL. CHEM., 1971, PAGES 63-73, VOL. 33 CASTIGLIONI ET. AL., SYNTHESIS AND PROPERTIES OF SPINEL-TYPE CO-CU-MG-ZN-CR MIXED OXIDES, J. SOLID STATE CHEMISTRY, 2000, PAGES 526-532, VOL. 152 NOWOTNY ET AL., SEGREGATION AND NEAR-SURFACE DIFFUSION FOR UNDOPED AND CR-DOPED CoO, J. AM. CERAM. SOC, 1982, PP 192-196, VOL. 65

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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

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Group Art Unit Examiner Name (use as many sheets as necessary) Attorney Docket Number | CL2100USPCT

| Sheet | 3 | Of 5 | $\neg \neg$ | | | |
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| | OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS | | | | | |
| Examiner | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² | | | |
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